

# Storm Data

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration ENVIRONMENTAL DATA SERVICE

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,		CAL	РАТН	T.		. OF SONS	ESTIM/ DAM	ATED†				CAL	PATH	E E	NO. PERS		ESTIM/ DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PAT (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PAT (YARDS)	KILLED	NJURED	PROPERTY	CROPS	CHARACTER OF STORM
		H 80	زئ																
Alabama	il			!						Georgia (continued)	Stori danas	hit a ru	ral ar lences	a near	Sump	ter 0 lv 1a	ity an	d dest	royed or heavily slightly injured
Damascus Community, Escambia County	16 2	!			0	0	<u>)</u>	0	Wind		when also	trapped i down.	n her	rrecked	home.	Ťr	ees an	d util	slightly injured ity lines were
	High dama	winds wit ged or der	h a li iolish	ed sever	al g	arage	ms da s and	naged outbui	5 houses and ldings.	Whigham, 6 miles	29	11:00 a	5	400	0	h	3	0	Tornado
Aluaha			None	Report	od					southwest	Funne	l observe	by w	itnesse	jus	t tou	ching	ground	. Residences juries minor.
Alaska Arizona				Report	1 1							moved ea		es ann	рона	, ,,,,,	es dom	11.	Juries millor.
Arkansas	1 1	1		Report	1 1					Hawaii					ı				
California	1						ı			All Islands		7:30 a. Afternoon			2	2	5		Wind, Waves, Icin
Napa Valley	3-4 Heava	/ rains ca	used I	local fl	0 codir	0 ne an	4 damau	0 red one	Heavy Rain highway bridge.		mate	d at 50 to	60 and	h from	high	pres	d all sure c	Island ell ap	e with gusts esti proximately 800 to
Gorman	19				0	0	4	0	Heavy Snow		On (	0 miles no ahu, the v	vinds i	ipped :	oofs	off	3 home	s, 2 a	partments, and ma home, causing est
	Corne	ın, strand	ing 70	0 vehic					rstate 5 south of sons. Drifts in		mate	d \$3,000 (	lamage	; blew o	own i	rees	, bran	ches a	nd spread debris ower line, starti
		s exceede	d 8 fe	et.			a		Net		a br	ush fire ges.	In the	Koolau	Range	e; an	d caus	ed sca	ttered electricit
Los Angeles 20 S	Water	1:27 pm rspout rep	orted	by pilo	t.	°		0	Waterspout		TV t	ransmitte	atop	10,000-	foot	Mt.	Haleak	ala.	ut power lines to A light plane was
Los Angeles 10 W	21	9:45 - 10:00 am			0	0	0	0	Waterspout		Airp	ort, In	ahain	, a ro	f wa	3 b1o	wn off	a hom	runway at Kahulu a, 2 persons
	Water	rapout rep		by pilo	t.						tree		enapp	d off,	tele	phone	poles		s restaurant wind d, signs knocked
Colorado			None	Report	ted						On H	awaii Isla	ind, a	man kno	cked	into	the o		y a giant wave no jumped into th
Connecticut											Stro	h waters ng winds	o rese	ue him edahor	wer e at	e swe Puak	pt out o and	to se a ware	a and drowned. house at Kawaihae
Statewide	11 <b>-</b>	PM-PM	į '		0	0	5	0	Snow, glaze		Maun	a Kea Bea	h Hote	1, Fall	ing	ree	branch	es kno	er 100 trees at cked out power to
	Stor	n began as lurries.	s snow New s	but tu	tota	to fr	eezing	rain rom 2-	before ending 8 inches along		Vege		s suf	ered b					s. cres of banana tr
	the	coast to	10-13 used a	inches series	in t	he no ength	rth. y powe	The st	orm was notable ures in Berlin,		were	toppled	n nawa	111,					
	pers	ons eithe	r shov	elling	BROW	or be	comine	invol	demise of ten ved in accidents	Idaho NezPerce and Clear-	2-3		Area	Area	0	0	,	o	Snowstorm
		e attempt	ing to	Clear	Q La Ze	o win	dBhiei 5	0	Snow, glaze, wind	water Counties south- ward		noon							
ļ	17	Eve-Eve	ĺ.,		-		1	-	·		visi	bility com	dition	s that	stop	ed t	raffic	clos	s snow and low ed schools servin he Central Mount-
1	new	snow alon	g the	coast a	uhd 6-	14 in	ches i	in the	4 inches of interior before ng of the 17th		ain	and Centra	il Plai	ns to t	he ea	Bt.	Winds	to 60	mph were reporte er Valley,
	and	back again	n to B	show bef	fbre e	ending	. Sto	drm was	accompanied	Panhandle	i	Afternoon	Area		0		3	0	Snowstorm
	Stor	m memorab	Le for	r contri	iþutin	ng ta	20 in;	Juries	re in Mansfield n New London. and one death			thru fol-							
		to snow b		pperati	ιbn, α	any s	kiddi	g acc:	dents and many		Snow	day storm acco home at De	mpanie	d by li	ghtni	ng n	ight o	f 4th	that struck a tre
	22	AM-Eve			0	0	5	0	Claze			accumula						,.	TO IL INCHES OF
	lJ			n produc	ed or	aly mo	derat	snow:	fall, freezing	.Pocatello, Bannock	15	10:00 p.	1	50	0	0	3	0	Windstorm
	Alti	ough this	ate af	ternoon	u and				used innumerable	County	1		1				i	l	
	rain mult	in the l i-car cha ishields o	late af in res of glaz	fternoon action a ze due t	apcide to ver	ents a ry lov	s wip	ers fa eratur	used innumerable iled to clear	County	Wind		d to 7 Other d	0 mph o lamage o	iemoli idjace	lshed int a	steel reas l	build mited	ing leaving it a
	rain mult	in the l	late af in res of glaz	fternoon action a ze due t	apcide to ver	ents a ry lov	s wip	ers fa eratur	used innumerable	Southern Idaho	27-	s estimato l loss. ( PM 27th	other d Area	Ompholamage o	djace	Lshed ent a	steel reas l	mited	ing leaving it a
Delaware	rain mult wind cont	in the l i-car cha ishields o ributed t	ate af in res of glaz to two	fternoon action a ze due t	apoide to ver by mo	ents a ry low otor v	s wip temp vehicl	ers fa eratur es.	used innumerable led to clear es. This condition	,	tota	s estimate l loss. ( PM 27th thru fol- lowing	other d Area	lamage e	djace	ent a	reas 1	mited	
Delaware State	rain mult wind cont	in the li-car challshields of the tributed the Afternoor	ate af in res of glaz on two	fternoon action a ze due t deaths	apoide to ver by mo	ents and the control of the control	temporehicl	ers fa eratur es.	used innumerable led to clear es. This condition  Wind	,	27- 29 Twe l	s estimate l loss. ( PM 27th thru fol- lowing day ve and mone	Area Area e inch	? es of r	O lew sr	O we we the Level	reas 1	0 Et in many	Snowstorm  Valley County 27troads blocked at
	rain mult wind cont	in the li-car cha shields o ributed t	ate af in res of glaz on two	fternoon action a ze due t deaths	apcide to ver by mo	ents and the control of the control	temporehicl	ers fa eratur es.	used innumerable led to clear es. This condition	,	27- 29 Twell and leas	s estimate 1 loss. ( PM 27th thru fol- lowing day ye and mon eastward t temporas	Area  e inch	? es of m	of 28	o we sth 1	reas 1	of ft in many the u	Snowstorm  Valley County 27t
	rain mult wind cont	in the li-car cha shields o ributed t	ate af in res of glaz on two	fternoon action a ze due t deaths	apcide to ver by mo	ents and the control of the control	temporehicl	ers fa eratur es.	used innumerable led to clear es. This condition  Wind	Southern Idaho  Lewiston to Moscow,	27- 29 Twell and leas Vall	s estimate 1 loss. ( PM 27th thru fol- lowing day ye and mon eastward t temporas	Area  e inch	? es of m	of 28 astweeted dr	o we sth 1	reas 1	of ft in many the u	Snowstorm  Valley County 27t toads blocked at pper Snake River
State Florida Venty Miani	rain mult wind cont	in the licar chandshields of ributed to Afternooning gusty was 10:40a	ate af in res of glaz to two	fternoon action a ze due t deaths	apcide to ver by mo	ents and the control of the control	temp vehicl	ers fa eratur es.	used innumerable filed to clear es. This condition wind other minor	Southern Idaho	Twell and leas Vall	s estimate 1 loss. ( PM 27th thru fol- lowing day ve and mon eastward of t temporas t temporas ey. Windo	Area  include through	es of might icCall of mph ma	O of 28 astwe	O word the lifting of	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27t toads blocked at oper Snake River er Snake Valley.  Hailstorm
State Florida Venty Miami Hwy 231 near Lk Butler	rain mult wind cont	in the licar cha ishields of tributed t	ate af in res f glaz to two	ftermoom action a ze due t deaths	accide to ver by mo	ents a	temp vehicl	ers fa.	used innumerable ided to clear es. This condition  Wind other minor  Funnel aloft  Damaging Winds	Southern Idaho  Lewiston to Moscow, NezPerce and Latah	Twell and leas Vall	s estimate 1 loss. ( PM 27th thru fol- lowing day ve and mon eastward of t temporas t temporas ey. Windo	Area  e inct through cily, 1 to 45	es of night icCall of mph ma	O of 28 astwe	O word the lifting of	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27troads blocked at pper Snake River er Snake Valley.
State  Florida  Venty Miami  Hwy 231 near Lk	rain mult wind cont	in the licar chandshields of ributed to Afternooning gusty was 10:40a	ate af in rea f glaz to two	ftermoom action a ze due t deaths	operate our sign of source of source our sign ou	ents a	tempovehicl  3 and inf	ers fa	used innumerable filed to clear es. This condition wind other minor	Southern Idaho  Lewiston to Moscow, NezPerce and Latah	Twell and leas Vall	s estimati 1 loss. ( PM 27th thru fol- lowing day we and mon eastward it t tempora: ey. Windi 5:00 p.	Area inching in the i	es of night icCall of mph ma	of 28 astwarde dr	O word the lifting of	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27t toads blocked at oper Snake River er Snake Valley.  Hailstorm
State Florida Venty Miami Hwy 231 near Lk Butler	rain mult wind cont	in the licar chandshields of ributed to Afternooning gusty was 10:40a	Damag	ftermoon action s ze due t deaths tore do	operate our sign of source of source our sign ou	ents a	tempovehicl  3 and inf	ers fa	used innumerable ided to clear es. This condition  Wind other minor  Funnel aloft  Damaging Winds	Southern Idaho  Lewiston to Moscow, NezPerce and Latah Counties	Twell and leas Vall	s estimati 1 loss. ( PM 27th thru fol- lowing day we and mon eastward it t tempora: ey. Windi 5:00 p.	Area  e inct through tily, h to 45	es of mage of might could be some the country of th	of 28 astweed of 0	O word the lifting of	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27t toads blocked at oper Snake River er Snake Valley.  Hailstorm
Florida Vonty Miami Hwy 231 near Ik Butler Bradford County	fair mult wind cont 6 Sero damas	in the li- in-car cha denields o tributed t  Afternoor ng gusty v ge.  10:40a 4:45p	hte af in rea in f glaz to two winds to Damagi mobil	fternom aztion a	aboids to ver of the state of t	ents a ry los of the control of the	tempy vehicl 3 and inf	ers fa eratur es. 0	wind condition  Wind other minor  Funnel aloft Damaging Winds t destroyed two  Funnel aloft Waterspouts in Gulf of	Lewiston to Moscow, NerPerce and Latah Counties  Illinois  Indiana	Twelland leas Vall	s estimate loss. PM 27th thru fol- lowing day ve and ma eastward t tempora: ey. Windi 5:00 p. hseasonal hours sou	Area  e inct through tily, h to 45	es of manage of	of 28 astweed of 0	O O O O O O O O O O O O O O O O O O O	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27t roads blocked at pper Snake River er Snake Valley.  Hailstorm treacherous for
Florida Venty Miami Hwy 231 near Lk Butler Bradford County	rais mult wind cont 6 Strodama 15 16	in the li- incar cha behields o ributed t  Afternoor ng gusty v ge.  10:1/Ca l::1/Sp	hate aim research figlar two figlar two finds two finds two finds two finds fi	fternoon action	oy mode out of the contract of	ents ary low correction of the	temperential 3 3 and inf	dratures.  0 Clicted	used innumerable iled to clear es. This condition  Wind other minor  Funnel aloft Damaging Winds t destroyed two  Funnel aloft Waterspouts	Lewiston to Moscow, NezPerce and Latah Counties  Illinois  Indiana	Twell and leas Vall	s estimati 1 loss. ( PM 27th thru fol- lowing day we and mon eastward it t tempora: ey. Windi 5:00 p.	Area  e inct through tily, h to 45	es of manage of	of 28 astweed of 0	O word the lifting of	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27t toads blocked at oper Snake River er Snake Valley.  Hailstorm
Florida Venty Miami Hay 231 near Lk Butler Bradford County  10 W Gainesville	rais mult wind cont 6 Strodama 15 16	in the li- incar cha behields o ributed t  Afternoor ng gusty v ge.  10:1/Ca l::1/Sp	hate aim research figlar two figlar two finds two finds two finds two finds fi	fternom azetion azetio	oy mode out of the contract of	ents ary low correction of the	temperential 3 3 and inf	dratures.  0 Clicted	wind the minor  Funnel aloft  Damaging Winds  t destroyed two  Funnel aloft  Waterspouts in Gulf of maname City, one	Lewiston to Moscow, NezPerce and Latah Counties  Illinois  Indiana  Iowa Sioux City, Woodbury County  Remsen, Plymouth	Twelland leas Vall	s estimate loss. PM 27th thru fol- lowing day ve and ma eastward t tempora: ey. Windi 5:00 p. hseasonal hours sou	Area  e inct through tily, h to 45	es of manage of	of 28 astweed of 0	O O O O O O O O O O O O O O O O O O O	ere le eaving hrough ng wor	oft in many the upp	Snowstorm  Valley County 27troads blocked at per Snake River er Snake Valley.  Hailstorm  treacherous for
Florida Venty Miami Hwy 231 near Lk Butler Bradford County	raim multi-m	in the li- incar cha behields o ributed t  Afternoor ng gusty v ge.  10:1/Ca l::1/Sp	hate aim research figlar two figlar two finds two finds two finds two finds fi	fternoon action	oy mode out of the contract of	ents ary low correction of the	temperential 3 3 and inf	dratures.  0 Clicted	wind the minor  Funnel aloft  Damaging Winds  t destroyed two  Funnel aloft  Waterspouts in Gulf of maname City, one	Lewiston to Moscow, NezPerce and Latah Counties  Illinois  Indiana  Iowa Sioux City, Woodbury County Remsen, Plymouth County	Twelland leas Vall 31	s estimate loss. ( PM 27th thru fol- lowing day ve and mo asstward t tempora- ey. Winde 5:00 p. hseasonal hours sout	Area  e inct through rily, h to 45	es of manage of	of 28 astweed of 0	oow work to be a constant and the consta	reas 1 ? ere le eaving hrough hrough y vor	oft in many the upp	Snowstorm  Valley County 27t toads blocked at poer Snake River er Snake Valley.  Hailstorm  treacherous for  Windstorm  Windstorm
Florida Venty Miami Hwy 231 near Lk Butler Bradford County 10 W Cainesville Venty Panama City Georgia	fair multi- mult	in the linear challenger characteristics of the control of the con	hate after in reserve for glazze two two builds a mobil	fifermoon cartion so action so action so action so action to core down to core down to core down the core down to core down the	o o o o o o o o o o o o o o o o o o o	ents a ry local control of the contr	temperation of the state of the	ore face of the control of the contr	wind two	Lewiston to Moscow, NezPerce and Latah Counties  Illinois  Indiana  Iowa Sioux City, Woodbury County  Remsen, Plymouth	Twelland leas Vall 31	s estimate loss. ( PM 27th thru fol- lowing day ve and moneastward t tempora- ey. Winde 5:00 p.  neessonal hours sou	Area e inct through ily, 1 to 4 7 hails to 6 None	es of n night ccall comph made of the port lei	of 28 astwarde dr Co	oow with 1 oo o	ere le exving hrough hig wor.	of the upp the upp 0 k and	Snowstorm  Valley County 27t toads blocked at per Snake River er Snake Valley.  Hailstorm  treacherous for  Windstorm  Windstorm  Ice Storm
Florida Venty Miami Hey 231 near Lk Butler Bradford County 10 W Cainesville Venty Panama City Georgia	rain multi wind cont 6 Stroddama 15 16 25 29 15-16 The colors of the col	in the linear the linear characteristic of the linear characteristic of the linear control of the linear contr	hate and in rees of glazzo two winds a	cral water area water	on the support of the	ents a ry lor of the color of t	the so the sound of the sound o	dre fa eratured. 0 Clicted b to F by. 0 er con	wind cher minor  Funnel aloft Damaging Winds t destroyed two  Funnel aloft Waterspouts in Gulf of anama City, one lefly in a	Lewiston to Moscow, NezPerce and Latah Counties  Illinois  Indiana  Iowa Sioux City, Woodbury County  Remsen, Plymouth County  Most of Iowa	Twell and least Vall 31 An utwo	s estimate 1 loss. PM 27th thru fol- lowing day ve and mon eastward t tempora ey. Windi 5:00 p.  9:00 a  3:00 p  Early a. m. sc ice.	Area e inct through ily, 1 to 4 7 hails to 6 None	es of n night ccall comph made of the port lei	of 28 astwarde dr Co	oow with 1 oo o	ere le exving hrough hig wor.	of the upp the upp 0 k and	Snowstorm  Valley County 27t' roads blocked at poer Snake River er Snake Valley.  Hailstorm  treacherous for  Windstorm  Windstorm  Ice Storm  uto deaths due
Florida Venty Miami Hey 231 near Lk Butler Bradford County  10 W Gainesville Venty Panama City  Georgia	ration multiple multi	in the linear characteristics of the control of the	hate and in rees of glazzo two winds a	cral water area water	on the support of the	ents a ry lor of the color of t	the so the sound of the sound o	dre fa eratured. 0 Clicted b to F by. 0 er con	wind to the condition wind to ther minor  Funnel aloft Damaging winds to destroyed two  Funnel aloft Waterspouts in Gulf of maname City, one lefly in a windstorm struction were date of the	Lewiston to Moscow, NezPerce and Latah Counties  Illinois  Indiana  Iowa Sioux City, Woodbury County Remsen, Plymouth County	Twell and leas Vall 31 An utwo	s estimate 1 loss. PM 27th thru fol- lowing day ve and mon- essivard t tempora essivard t tempora essivard hours soul	hailsthoone None	es of :  in ight icCall :  orm le: loscow.  Repor Repor	o o ew span of 28 dastwarde dr o o teed	ow www.sth 1.	reas 1 ? ? ere le eaving hrough his wor. ? s slic	of the upp the upp 0 k and	Snowstorm  Valley County 27th toads blocked at poer Snake River er Snake Valley.  Hailstorm  treacherous for  Windstorm  Windstorm
Florida Venty Miami Hwy 231 near Lk Butler Bradford County  10 W Gainesville Venty Panama City  Georgia Cartersville	ration multiple wind continued and continued	in the linear interest in the linear chair had been described to the linear lin	hate after two controls of two	crafternoon action as continuous action as continuous action as continuous action acti	aboids to very by more than a sound a	ents a rytor of the control of the c	temperature of the second of t	ore factors of the control of the co	wind and rain  wind test of the service of the serv	Lewiston to Moscow, NerPerce and Latah Counties  Illinois  Indiana  Iowa Sioux City, Woodbury County  Remsen, Plymouth County  Most of Iowa  Ida County, Grant	Twell and leas Vall 31 An utwo	s estimate 1 loss. PM 27th thru fol- lowing day we and make estward t tempora ey. Windi 5:00 p.  1:00 p  2:00 a  3:00 p  Early a. m. stran.	hailsthoone None	es of :  in ight icCall :  orm le: loscow.  Repor Repor	o o ew span of 28 dastwarde dr o o teed	ow www.sth 1.	reas 1 ? ? ere le eaving hrough his wor. ? s slic	of the upp the upp 0 k and	Snowstorm  Valley County 27th toads blocked at poer Snake River er Snake Valley.  Hailstorm  treacherous for  Windstorm  Windstorm  Ice Storm  uto deaths due

		CAL	PATH	Ę		OF		ATED!				CAL	PATH	Ŧ		. OF SONS	ESTIM. DAM	ATED† AGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	אוררפס	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
Kansas Western two-thirds		Day	l stori	l dade	0	0	0	?	Dust	Maryland (continue	A s wen	t out of a	pntrol	when a	truck	by s	trong	gusty	tors, apparently winds, left the
	Win and	d gusts to visibilit	63 mp y was	n occur briefly	red a redu	t Rus iced t	sell :	ust be mile,		Massachusetts	<b>ի հշ</b> ջ	hway and o ver was in	pertur	ned. T	ne on	e pas	senger	was k	illed while the
East central portion	Up ·					OW CE			to power and Emporia area	State	4-5		65 mph	at Che	ster	on 5t	h. So	attere	Wind, lightning o limbs, etc. d thunderstorms
Kentucky		heast to	Popeka				i			State	17	Snowfall the weste	totall	ed 6 to	0 12 i	0 nches early	5 inlar all f	O d but ell as	Snow, rain, wind glaze locally more in snow, Precipi-
Louisiana Plaquemines Parish	31	4:45- 4:50p.			o	0	3	0	Tornado, funnel	·		tation ch with near areas and hampered.	anged ly all many Heav	to free rain o activit y rain	zing n Cap ies w and m	rain e Cod ere d eltir	and to . Sch ancell g snow	rain cols d ed. I in th	in most areas, losed in most ravel greatly e east caused
	Stat at w dama	ion. Seco est to non ge: radio	nd fur thwes beac	nel hit 100 m. n anter	sta p.n. na d	ion and wn;	ut 4:4 seans 4 poom b	to 6	South Pass Light Winds estimated feet. Minor If dock; dock and ma blown down.			up to 3 f roads and Strong go and limbs ported at	eet ab beach sty wi and Wings	ove nor es. Ma nds bro caused Neck,	mal a ny ut ke wi utili	dso fility ility ndows ty ou	failu failu dama tages.	and e res fr ged ro Gust	orm surge tides roded some coastal om flooded cables. ofs, felled trees s to 80 mph re- ths attributed
Maine Stete	4	Snowfall	totall	ed up t	0 2 6 t	0 o 12	inche	in p	Snow, glaze, wind arts of north- zard or near-	State	22- 23	rain on a	totall Eterno	ed most	and.	Road	s very	slipp	Snow, glaze periods of freezing ery and skidding
		blizzard	condit ection om str	ions in produc ong, gu	some ed tr sty v	ares eache inds	rous : Gust	eezin urfac s to	rain in the s. Scattered 5 mph reported	State	23- 24	Snowfall to little	numer totall	ous. S ed 5 to he on C	0 10 i	s clo 0 nches	sed in 5 in mo Glazin	some 0 st are	areas.  Snow, glaze, wind as except tapering freezing rain at
State	17- 18	ches in t temperatu condition	he sou re and s. Ma	thwest strong ny scho	and e wind pls s	xtren caus nd bu	e west ed nea sines:	s exce . Acc r-blis	Snow, wind pt 12 to 24 in- ompanying low zard to blizzard sed. Travel was southwest. Wind	Cape Cod and Islands	26	very diff Thousands with last	icult of tr minut	and tra eveller Chris	nspor s str. tmas	tatio anded shopp 0	n sche Man ing di	dules y acti fficul	rong wind. Travel delayed or cancelled vities cancelled, t or impossible. Snow, wind
Southwestern half	22- 23	toppled t coastal f	rees a loodin totall	nd limb g from ed most	s and high O	caus storm O to 10	ed uti surge 4 inche	lity i tides	ailures. Some			bringing the islan to date.	heavy d area Transp seas.	mow, go , where ortation Many u	this in to	was the	to 7 the he island	inches aviest s was	lancing blow, , to Cape Cod and snow for season cut off by wind s treacherous,
State		Snowfall	totals	mostly	0 10 t	0 0 20 cellv	5 inches	excer	Blizzerd, snow, wind t up to two feet portion and except	Michigan State-wide	3-				0	0	7	0	High wind - Snow
		about 30 t elsewhere Travel ha	to 40 : Fall mpered led by	niles of ling tre Maine snow-mo	cond the es a Tur	coas nd li npike	s for t and mbs ca close	extend near-b used u d. Ma	winds caused huge ed time within dizzard conditions tility outages. wy stranded motor- d into Christmas		thu way ind eto in	es cause luding d . An es damage c	ms, a d con amage timat ccurr	nd str sidera to be e (pre ed to	ong ble ache limi Detr	wind dama s, d nary oit	s of ge to ocks, ) of Water	45 to lake lawn \$8 mi Syst	55 mph. High shore property, s, breakwater, llion dollars em's cofferdam
Extreme southeast	26- 27	Snowfall area with the previ	stro	ig winds	0 t 12 agai	O inche n clo	4 s alon sing	0 ng the oads	Snow, wind eastern coastal newly opened after		por out sto cer to	ted. Ot door the refronts tral and 20 inche	her d aters cave west s of	amage , nume d in. ern Up snow.	incl rous Nor per Str	uded out ther Peni ong	topp door n low nsula winds	led w signs er Mi rece pile	ves were re- alls around , and several chigan and ived from 10 d snow in 4 to
Maryland Northeastern portion	LIE	BB CLESUIL	g repo	i in mor	le thi	n 201	I nont	(nne	Wind hour, brought A number of		sol sul and	w and wi cols in a were c at Onek	nd ca north losed ama,	used p ern lo . Thu in Man	ower wer nder iste	fai Mich stor e Co	lures igan ms ac unty,	in m and t compa a co	period of time. any areas. Many he Upper Penin- nied the storm ttage was des- rted by light-
Bethesda, Montgomery County	6	2:00 p.	of-1	waa kil	1	1	3	0	Wind reported gusting	Central Lower Michigan	10- 11	<b>9.</b>			o	0	4	0	Snow
State and District of Columbia	roo her	f of the c 5-year ol	onvert	r nour, ible ca her, wa	r she s tre	was ated	driving for m	dead ig. The nor in	tree onto the se other passenger, juries.		wes she col	t centra d roof o	l to fal	east d umber	entr comp	al l any	ower in Ho	Michi 11and	west band from gan. A storage , Michigan, imated damage
Garrett County area	Harl Chr:	es were up ckouts were oor were d istmas Tre Evening-	e repo amaged	rted. by wav	Γwoe es wh	hinsi	attem	tine t	a dack in Baltimone	Minnesota Wadena-Grand Rapids- Duluth Areas	3	11:00 a 7:00 p		201	0	0	4	0	Small severe snowstorm
	A ve tele tem one- two-	morning ry severe phone lin peratures. inch on w	es. G In w ires a Rainfa	laze for estern nd bran ll, ove	ppled rmed areas ches	tree in the ice	s and e raid thickr	downed and r ess wa	many power and ear 30-degree s reported up to areas it was up to 21st through the		near Duli from road beca	zero and th areas about 11 s were no use of we o 20 auto	snowfi halted 00 am copeni csnow pile-1	alls of almost to 7:00 ad unti and ice ups. Mi	12 i all pm the coa nor	nches Forms on the 4th. ted to lamage	in th of tr 3rd Dulu he hil e to a	e Wade avel e and ma th tra Is and utos w	0 mph, visibilities na-Grand Rapids- xcept snowmobiles  ny streets and  ffic was the worst caused as many as  ere numerous, how- This condition
Millington(near)		1:30 p.	minor	ı toodin	ĺ	1	3	0	Wind		was to a caus	immediate bandon the ed power o	y fol eir auf utage: ving	owed by os. He at sev	ver avy eral	/ hea light loca	vy sno ning d tions.	fall ring The	causing people the snowstorm also snowstorm resulted ped snow on a

		XCAL.	РАТН	ΉH		OF SONS	ESTIM. DAM	ATED† AGE				CAL	РАТН	Ę		OF SONS	ESTIM. DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KIFLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
Minnesota (continue		tate rece	ved 1	inches	and	centr	al to	easter	n part 8 to 12 inche	Nebraska Nebraska	1-3					0	5	6	Damaging Was-
	of s		.vea s	I	and		11 00	I	, part o to 12 thou	1,002-0-10	Stat	ewide wind	s of a	ufficie	nt st	rengt	h to	o mino	Damaging Winds or
Southern Minnesota		All Day			0	0	0	0	Heavy snow		high Cons	Hing damag ways, sand iderable d	and a	ravel p	it au	tomol	iles, rn Nel	etc. raska	
	of t	he State.							s all southern part through Minneapolis	1	by b	lowing dir							
	St.	Paul.			!					Nebraska	10 Free	ing rain	in sou	th and	east;	o snow	that	packed	Snow and Ice
Mississippi Harrison County	15	10:15 p.			0	0	?	0	Heavy Rain		walk	ing and dr outbreak	iving	conditi	ons.	Anι	nusua]	ly	8
·	Rada	rindicate	d an a	rea of	thund	erst	orms or	er po	rtions of Southeast		stor none	n related that were	injuri	es and	sever	al de	aths b	ut	
}	Miss heav	rain at	Ving t	owards rt with	ENE.	floo	nty sne	nd st	s office reported rong winds.		itse	ır.							
Leflore County	22	7:05 p.							Funnel Cloud Aloft	Nevada Northern Nevada	2	A.MP.M			0	5	?	0	Snowstora
J .	funn	el cloud a	loft 3	3 Gree	ehwood	d (lat	. 33.	N	p.m. there was a ong. 90.2° W). The		A m	jor snows	torm n	oved ac	ross	north	ern Ne	vada,	bringing from 3 to
	7:45	p.m. indi	cated	a moder	ate t	to occ	asion	lly h	35 m.p.h. Radar at savy thundershower		sta	e 80 over	Donne	r Summi	t, Mt	. Ros	e High	way, a	highways. Inter- nd Geiger Grade electric Power was
		received.		Heservo	r.	No re	ports	indic.	ating a touchdown		los	in Carso	h City	about	¢a.m	. Fi	ve sno	w-rela	ted accidents an ankle.
Simpson County	23	7:15 p.	4	up to 300	0	0	3	?	Tornade	Pyramid Lake, Washoe	7	P.M.			2	0	7	0	Windstorm
				ved rep					f that a tornado . Man reported	County	Two	men drown	ed whe	n their	boat	caps	ized i	n Pyra	nid Lake. Although
	stor clou	n lasted a d "dipped	bout 5 down t	minute wice."	Once	ved :	rom W	W tow	rds ENE, one funnel here damages to		rou	h from st	rong w	inds.	Reno	hirpo	rt rep	, the orted	lake was extremely a peak gust of
·	and	barn and	trees	Again	dippe	ated :	3 S P:	inola	Man reported ards ENE, one funnel there damages to ea 1/4 mile long where man described, ring all at once. who and outward;" try roads" and width	Gardnerville, Douglas	15	ph from t	le sou	cherry	0 0	0	2		Windstorm
	Zigz	ag path, clescribed t	ebris he are	- trees	and	brand	hes b	own d	own and outward;" try roads" and width	County	An	ld theate:	buil	ding co	laps	ed an	d dana	ged tw	o parked cars and
]	of p	ath "150 y	ards.	1		Ī					an a Pyr	djoining . nees Hote	notel. L were	The G	raunk d fro	e Bui naw	lding indsto	on U.S rm. T	. 395 and the ne two autos were
Hinds County	23	About 7:20 p.			0	o	?	0	Wind		tota	l losses.	Wind	ows wer	e als	þ rep	prted	blown	cut and some homes in Carson Valley.
	Man	reported of	arport	roof	olown	off 1	ouse	raile	r on Pine Grove	Northern Nevada	16- 19	A.MP.M	ļ		0	0	?	0	Snow and Windstorm
Hancock and Harrison	29	9:55 a		?	0	0	4		Tornado, Funnel		The	second ma	or sn	owstorm	of t	ne mo	nth br	pught	heavy snow and
Counties	A 10	10:20 a.	trous	n and	a near	rly s	ation	ary fr	Clouds Aloft ont spawned numer-		pro	imately 1	inch	es fell	duri	ng th	e 3 da	ys in	rn Nevada, Ap- Reno; 13 inches
ĺ	ther	thundersho	wers.	A tor	nado v	was fi chdown	irst n s bet	eporte ween t	d in Bay St. Louis, here and north of Director estimated		were	reported condition	cont	ributed	by r	son C educe	ity. 1 visi	More t bility	on 50 accidents and slippery
	1\$20.	.000 damage	s in a	an area	h /20	hmile.	long	abrt 50	vards wide, north	N. II.	1	COLLEGE							
	to 9	58 a.m.,	five t	uilding sheri	gs we: ff rep	re he:	vily a ho	damage use tr	is. About 9:55 a.m. during severe aller flipped over	New Hampshire State	4	Sum Pall		100 6 4	0	0	3		Snow, glaze, wind
}	in a	rea to rea mundred fe	et awa	stuckey ay, at :	's Gii least	3 re	p, U. idenc	S. 90	Bay St. Louis. A			near-bliz	zard	conditio	phs ir	some	area	. Fre	eme north with ezing rain in mm strong gusty
İ	rece	ived other	damas	ze. Nei	also ape	er no	led. ".	About.	lost its roof and the same time, a										eard in some areas
	the	same area trees and	was bl	was car cwn ove	nageo er. :	and a The sl	eriff	s off	ock wall in ice said there were RRISON COUNTY:	State	17	Snowfall	total.	Led most	0 Ly 6	0 to 12	5 inche	s, exc	Snow, wind ept locally 10 to
	Cour	ty civil i	erense	B Direct	tpr re	ecort	ad 1 in	innel '	ith spotty touch- \$3,000 to timber			blowing a	hd dr	ifting a	nd ac	compa	nying	low te	used considerable mperatures in the there at times.
į.	with Gray	in 20 minu son Avenue	tes al	long pat Pass Cl	th fro aristi	om WSN ían bi	towa sines	rds EN s sect	5. Tornado struck			Schools a	nd mar	w busir	esses	clos	ed. I	ravel	was difficult. ty failures.
	Aver	ne, destroy	of Lor	arage, g Beach	rippe 1 hit	t in t	f off ooded	l hom	At Condike At Gulfport Muni-			Some floo	ding	lamage b	hig	h sto	rm sur	ge tid	es along the coast,
1	Ibme	ilv touch	pround	# ( 3 WSW	VI Aim	oort)	170:14	la.m.	and go back up in	State	22- 23	0 0 . 33	ļ.,.,,		0		4		Snow
	ISUDE	TA SUOD 68	paped	nnurv	as ro	OOI W	is tom	1 011	, on Arkansas , 4 persons in paint oncrete block				th ar						to over 12 inches ds. Many skidding
	buil funr	ding. Hie	hway F which	atrol a remaine	at Gul	lfport oft; ]	rece:	ived pr ted ab	blic reports of 3 out 300 yards north	State	23-		ľ	1			1		
	but	several ut	ility	poles v	vere l	way l	d down	abou	tensive wind damage 10:20 a.m.	i	24					to 16		s. So	Snow, wind me greater in
Harrison County	30	1:59 p.							Funnel Glouds Aloft			low tempe	rature	s produ	ded n	ear-b	lizzar	d cond	snow. Wind and itions. Trans- Some travellers
	funr	#1 clouds	noving	in a N	W di≥	rectio	n just	norti	there were 3 of Gulfport (about			stranded. Some tree	Many	busine	ss an	d soc	ial ac	tiviti	es cancelled.
	cate	d individu	al sho	wer mov	ement	t towa	rd EN	at 4	t 2:45 p.m. indi- -50 m.p.h. No	New Jersey									
Missouri	rabo	erts indica	ł			ere I	GUUL VE				12-						L		Glaze
Missouri			None	Repor	ea						Free	ways over	much .	of north	ıbrn i	bew Je	on tre	es, wi	res, streets and blackouts
Montana Park County	16				0	0	3	0	Strong wind		Unio	use or dow , Passaid	and I	ergen o	e re	orte	in se	c tí ons	of Morris, persons were
									ed by strong Interstate 90,		With	out power	in Par	remus.					
		miles wes				ilia bi		orong		New Mexico Southeastern Counties	15	ll:00 a	1		0	1	Ł.	0	Windstorm
Park County	30	12 p.m.			0	0	4	0	Strong wind		2+-	3:00 p.							
	75	x 68 foo	ds whi	le beir	nka pul	lled a	long	Inters	tate 90, ten		55 1	.p.h. at	obbs	where 1	nema	fel	lorw	s blo	bunties. Gusts to wn from pole in aged. Gusts to 63
	mii tra	es east of	lso ov	erturn	ihe ed.	Trac	or tr	чск ри	iing The		m.p								aged, Gusta to O)
See reference no			ļ		}	-		l	}		ven	165.							

	-			,	_							r ———			_		,—.		DECEMBER 1970
		CAL	PATH	F		). OF		ATED†				CAL	АТН	¥		OF		ATED!	
PLACE		P. LO	OF E	F PA		$\Box$	<u>}</u>		CHARACTER OF	PLACE		38	OF F	F PA	Г		<b>\</b>		CHARACTER OF
	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
New York	Ī			1	Ī	1				Ohio (continued)	1,,	Mannina	]	]	0	2	?	Ī	 
Buffalo	5	p.m.				ì	P		Wind	Morthwest onto	1	Morning .			1		1.		Freezing rain
	Duri	ng period	of an	w squa	lls s	trong	gusts	of wi	nd caused localized was lifted by wind,		Luca	s, Hanco	ck, a	nd Woo	d C	dunt:	ies.	Ice o	in Fulton, overed roads
	pToM	n several	yards	and dr	dpped	onto	two o	ther v	chicles with con-		resu	lted in ons went	many to h	traff: ospita	lc a	dcid With	ents. inju	At l	least two after falling
	by g	ust and co	llide	d with :	light				forced into curb power failures	,	on i	ce.							
C4-4		rred in ma	tropo	ultan a	rea.		ĺ			Oklahoma			None	Repor	ted	-			
State, except western quarter	17	p.m. to p.m.	Ì	1		]			Snow, rain	Oregon	}	ļ			İ	1		1	
									rain totaling 1.0	Clatsop and Tillamook counties	1- 7	all days- 8:00a,7th		60	1	0	5	1	Rain
	prev	ailed ups	tate e	жсерt 4	to 6	inch	es in	lower	8 to 14 inches Hudson Valley and		Dai l	y rains al	ong th	e north	ern	oast	of Or	egon p	rovided 4.00 to
									l in some northern 20, Alexandria Bay		5.25	inches of	moist	ure acı	oss I	oth	count i	es witl	accumulation of Coast Range by
	14,	Binghamtor	14.	Albany 1	13. S	yracu	be 10.	Amste	rdam 10, and Nor- pread closure of		the	Brd. Melt	ing of	the sn	low p	ck b	an a	ddition	al 3 to 7 inches 0 a.m. on the 7th
	scho	ols, curta	iled:	industr	y and	very	hazar	dous d	riving conditions e Hudson Valley and		prod	uced rapid	runof	f and I	ocal	floo	ding a	long th	e coastal streams River. Greatest
}	thro	ighout noi	thern	half of	f the	Stat	e. Sn	w was	of high density.		dail	y rainfall	of 4.	40 inch	es f	il a	t Till	amook :	3 ENE by 8:00 a.m
		minor occ									drow	hed near N	ehalen	when s	wept	from	his h	orse w	corded. A farmer ile fording the
Westchester County	17	a.m.				}	5		Wind		mook	Two hou	es wer	e damag	ed by	flo	ding	near El	north of Tilla- sie with one
(southern)											a ne	w highway	grade	sunk 8	inche	s fr	om the	heavy	along SH 26 and moisture. Additi
	snow	fall upsta	te, d	escribed	dabo	ve.	Apartm	ent co	ns during heavy mplex in New		onal 1970	details of	n the CLIMAT	general OLOGICA	floo L DA	dding FA NA	can b	6 found SUMMAI	in the December Y.
	home	Less. Roc	f debi	is hear	ily :	damag	ed seve	ral p	ing 12 families arked automobiles.	Lane County	2-	8:15p,2nd	40	20	0	0	4	0	Wind
	Wind	also topp	ned 1	arge tre	es c	nto a	home :	n Mou	it Vernon and an-		3	10:00 a,3r							
	in b	oth cases.			1	l													ain reaction that s in the Blachly-
Ancramdale, Columbia County	17	p.m.				ļ	i,		Wind		High	way 36 are	a at 8	:15 p.m	. Th	e ou	ages	anged	from 3-1/2 to 20 rd produced wind ipal sirport at
	Wind	damold abo	4	nant m	2130	home		·hia w	ral village in		gust	s up to 48	miles	per ho	ur at	the	Eugen	munio	ipal airport at
	sout	neastern p	art o	county	4.	nome	near	hirs L	rai.Aiiisse iu		of 3	2 to 40 mi	les pe	r hour	begar	abo	ut 2 a	m. and	sustained speed caused spotty
State	22-				•	1			Snow, freezing		Junc	tion City,	and E	ugene.	Abou	ut 10	home)	s were	a, Springfield, also without tele
	24								rain, sleet			e service. Le roofs a			s and	d bra	nches	also de	nted a few auto-
	of the	ne State t	rough	l a vari	lety	of we	ather	over m	the west and south	Union and Wallowa	3	2:00a -	60	40	0	0	4	0	Wind
	15 1	nches or m	ore o	curring	wid	ely i	n the	diron	inches of snow with lacks. The western	counties	ļ	2:00p							
	nali	and coast	al sec	gtions i	nac a	maxc	ure or	I reez	ing rain, sleet and avel in all sec-										wo county area
	tion	s rendered now, hower	very	slipper	ry an	d haz	ardous	Dri	fting and blowing		on the	e Upper a	nd Low	er Prai	rie (	reek	roads	east o	f Joseph. Schools m out of a tavern
						Ì					and 1	notel and	roofs	were bl	own c	ff a	insu	rance o	ffice building and in Wallowa County
North Carolina Statewide	1-		!				_		B		and :	six primar	y line	s knock	ed or	t car	using	dutages	up to 36 hours.
Scatewice	15			ı			6	0	Dry weather, wind, low humidity		react	ed 48 mph	at 8:	00 a.m.	but	high	r win	ds were	m. At Union, gus suspected earlies
	Pers	istent lac	kof	ainfall	, wi	th fr	equent	perio	s of unusually low		power	lines di	srupti	ng serv	ice a	11 da	y. O	e topy	d toppled on to led pine tree
	Thous	sands of a	cres o	i fores	t and	d gra	ssland	alon	vide fire hazard.		blow	over at	a trai	ler par	k and	a si	sep b		buildings were upended over a
	house	es were bu	irned l	efore r	dain «	ane:	t mid	month			fence	at the U	nion E	xperime	nt St	ation	1		
Forsyth, Milson Counties	4	Noon			0	1	4	D	Wind	Clatsop County	10	4:00p	1		0	0	3	0	Wind
	Two o	ement blo	ck wal	lls blow in deb	n do	n at	Winste	n-Sale back	m construction injury. Carport		A Pac	ific stor	m movi g two	ng onsh or thre	ore o	ause	gust;	winds The h	up to 67 miles ighest one-minute
	rippe	ed from ho	me in	Wilson	Coun	y.			102,010		wind	velocity	only r	eached	29 mi	les ;	er ho	r. Wi	nd toppled several ral power outages,
Nash, Make Counties		ftn & evening			1	:	. 4	0	Wind	]	and d	lamaged ca	rs. L	ines we	re al	so de	med :	n the	Seaside area with
			wirdo	hlasr do	, um + 1	rans:	diami	! 	ower facilities.					.,					•
	Seve	al outbui	dings	demoli	ished	or d	amaged	mang [	ower lacilities.	Western third of State		ncon,15th 6:00a,16t			0	10	5	0	Wind
Southern Coast	31	!				,	4	0	Mind		A str	ong Pacif	c sto	m deve	loped	off	the Or	egon-W	ashington coast
	Tow t	ressure s	torm n	ioving u	ib ccs	st c	used g	ales	nd high seas.	1	and n	oved north	ward a	ınd weal	tened	off	the we	kt coal	st of Vancouver ted cold front
	Same	storm cau	sed sr	ow, sle	et, i	o pie oin	rs, roc	fs and ezing	utility lines.										
	part's	of North	(Caro)	ine.			ĺ				force	winds of	40 mpl	and at	ove	were	sustai	ned fr	SSW to WSW. Gale om 4:30 p.m. to ted from 6:00 p.m.
North Dakota			None	Repor	ed			l	-		to 1:	00 a.m. 1	he fas	test of	serv	ed mi	le was	from	the SSW at 66 mph s were:
Ohio			ı					1			1 1	CATION		- 401101	FAST!	ו וכי	FA.	N WING STEST GUST	TIME
Northern two thirds	3-4	2:00p-			0	0	5		Wind, electri-		North	Bend FAA th Falls N	so		52			i I	1:13 р.ш.
of State	.	9:00a							cal, and hail	\ <b>\</b>	Medfo	rd WSO			32			63	4:05 p.m. 4:16 p.m.
	Turbi	ılent we ≥. Wind	ather gust	condi	tion 3 mm	s we	re co	mmon corde	over most of d near	ļ <b>ļ</b>	Salem	WSO		{	35 29	ļ		41	5:25 p.m. 5:55 p.m.
	Zanes	sville.	Seve	ral ar	eas mid	repo	rted	small	d near hail. Wind 4th wind gusts through north- ndows, TV an-	1	Cape	n Summit W			63			86	
	of 4	to 50	mph w	ere st	ill	bein	g rec	orded	through north-		Portl	e WSO and WSFO -			39 38	Ì		46 54	6:42 p.m. 9:17 p.m.
ļ	tenna	s, and	sìgn	s were	the	mos	t com	mon i	ndows, TV an- tems which		Portl Astor	and Morris ia WSO	on Br	dge -	36 29	i		56	2:01 a.m.
	- {		r.rug	unis S	- 1			Į		İ	xten:	sive scatt	ered d	amage w	as re	port	ed wee	of th	e Cascade Noun-
North and Central areas		Evening		.	.0	?	?	}	Freezing rain		ains	With nume	rous di	owned t	TRACI	and D	limbe a	· aucinh	OVER 6 700 SOURS
,	rred: eral	ing rain	n res	ulted	in p	oor	road	condi	tions in sev-	1	iomes	were smas	hed by	fallin	g tre	es.	A loa	led sch	cks and trailer
See reference n			of ta	ıble.	,	1	1	1	1	4	11/6	con was f	orced	over a	rour	foot	emban	kment a	nd 4 students re-

		CAL	РАТН	Ę	NO. PER		EST IN/					CAL	РАТН	£	NO. PER	OF SONS	ESTIM/ DAM		
PLACE		TIME - LOCAL STANDARD	10 ES	WIDTH OF PATH (YARDS)			Ł		CHARACTER OF	PLACE		TIME - LOCAL STANDARD	HOF F	WIDTH OF PATH (YARDS)			ıτΥ		CHARACTER OF
	DATE	TAND	LENGTH OF (MILES)	IDTH (YA	KILLED	NJURED	PROPERTY	CROPS	STORM		DATE	TANE	LENGTH OF I	HTO!	KILLED	NJURED	PROPERTY	CROPS	STORM
Oregon (continued)		1			لئا	لت			L	Puerto Rico	- 1		ا		لتا			لـــّــا ا	
	reive								jured by wind- alling tree at		8-9				2	0	٥5	С	Heavy Rains
	Grant From	s Pass. a large i	Greate: ndustr:	t loss al buil	was ding	4,00 on t	squar ne nor	re fee th sid	t of roofing blown e of Medford.		sect	on of Pue	rto Ri	co duri	ng th	e 8ti	and 9	th. 1	g the northern he highest
		oss inclu meer and						of lumi	ber, 100,000 feet		with	the highe	st 48-	hour to	tal o	f 9.4	0 inc	es re	orted at Dorado. in Toa Alta,
Coquille, Coos County	ł	noon			0	0	4	0	Electrical		anot	ner was dr	owned	in the	Cibuc	o Ri	ver. 1	ightni	ng struck a
	A la ligh	rge home 1 tning set	ocated fire.	three Lightn	niles ing s	east truck	of Co	quille e at t	was destroyed by a he rear of the		were	evacuated Manati. G	from usty w	their b	omes lew do	in A	ecibo pe co	Vega ffee b	Baja, Vega Alta eans and some
Coast, Coastal Range	hous 27-	and ran	1	he buil	ding 2	causi	ng the	fire.			the	Turabo Riv	er in	Caguas	were	damag	ed.	even l	new bridge over nighways into the I washouts.
and Northern Cas- cades	31	8:00a,31s	ŧ						Rain, Wind and Snow		ince	tot were	CIUSEC	or dar	aged	by 1	indsii	les and	washouts.
	anot	her on the	30th	causing	heav	y rai	ns alo	ng the	n the 28th and coast and in the	Rhode Island Cumberland, Provi-	4	11:55 a			٥	0	3	0	Lightning
	<b>inch</b>	es with 8.	00 to	11,00 i	ches	in t	he Coa	stal R	ostly 5,50 to 7,00 ange. Port Orford rally the wettest	dence Co.		gle lightr							onsiderable
	Eay 1	inches at	to 4.0 Valse	D inche:	rep	orted inche	at mo	st sta ort Or	tions and up to ford. Many Coast	Statewide	11-	PN-PM			0	0	5	0	Snow, glaze
	Range coas	streams	produc were c	ed subsi	anti r a	al ri while	ses on on th	the 3 = 30th	Oth-31st. A few and several land		13 Sto	rm began a	nd en	ed as	STION 1	with	freezi	ng rai	n and sleet
	on M	. Hood fo	5 da	rs duri	g th	sto	rn whi	ch pro	bers were stranded vided 32 inches of Camp. Rescue at-		bet	ween excep wfall tota	t rai:	in th	e sou om 2	th an inche	l at B s off-	lock I shore	bland. New to 10 inches
	temp1	ts were th	warted	on repe	ated	days	by bl	inding	snow and 40-60 mph day. Two fisher-			the north expense o				ng an	d glaz	ing ad	ded materially
	nen v	ere presu d ashore	med dr at Ott	wned wi	en t	eir ir 1	38-foo ast ra	t boat dio co	broke up and ntact was 10:35	Statewide	16- 17	Eve-Eve			0	0	5	0	Snow, wind, glaze
	swel!	ls of 18 t	d 20 €	et. Ti	ree	ther	fishe	rmen w	58 to 69 mph and ere rescued near 200 vards from		Mad	or northe	ster	began a	s snc	w wit	n accı	nulati	ons over the
	shore		surf :	t about	5:0	a.m			h. The boat and		cha Pre	nging to cipitatio	sleet n chan	and rai	‡ on k to	the a	before	of the	e 17th.
Astoria, Clatsop	28	early			0	1	3	0	Wind and		pro	duced hig nland coa	h wind st sho	s and the road	ides. Is wer	At e flo	Block oded a	Island s tide	and along the
County	Gusti	afternoon		il miles	ner	hour	rinne	the	Lightning corthern coast of		was	ped sea w hed out a eral huil	nd loc	al floo	ding	was o	ommon	especi	ally in Westerly. red structural
<u> </u>	breg	on. Wind	at Ast	oria bl	w of	f the	front	glass	door of an office	<b> </b>	and	plate gl t down.	ass da Severa	hage. I power	Most fail	echo Lures	occur:	d some	factories were parts of
	ing l	her minor dio statio	injury n towe	Ligh Ligh	ning	that d out	accom	panied ransmi	the storm struck		Pre	vidence C many mi	punty	late or	the	17th	The	storm	was responsible
}	Was '	red the st virtually of the to	#lown	s groun	d sys	tem. Int w	The b	bx con ned of	taining the tuner If the lower three	South Carolina									]
D :0		or the co		Danca	l.,					Georgetown County	16	5:15 p.			0	0	4	0	Cyclone, highwinds
Pacific			None	Repor	leu		}			[ ] 6 [	A cy	clone dev	lopin	to 5:3	warm Open	front Ve	broug	nt win	ds and rain to the
Pennsylvania Erie County	3-4	Night				0	4	,	Wind, rain		locs 5 p.	lly at the m. Sever	e sout!	hern en ch home	d of s had	Carde mino	n City r dama	Beach ge and	shortly after two suffered major
}	High	winds and	high	water a	ssoci	sted	with a	sever	ne thunderstorm			ge. Dema gled port				dofs,	porch	es, TV	aerials and
Sanata Sanatu	seri 3-4	ously dama	aged po	rtions	of Pr	esque 0	Isle 4	State	Park.       Wind, rain, hail	Coastline	31	6:30 a. -10:30 a.		i	0	0	6	0	Cyclone, high wind,
Fayette County	,	early morning	-	ļ	ľ			"	willo, raili, nati		Ani	ntense cy	lone	develop	ed of	f the	coast	a lit	tle to the south-
	High	1	eavy ra	ins,_ar	id hai	l cau	sed ex	tensi	ve property damage tensively damaged		inte	nsity unt	il it	passed	Myrt1	e Bea	ich. V	iind sp	and increased in eeds exceeded 60 were measured as
	when	ilhigh win	di knoo	ked the	uh abo	olut 10	feet	from	tensively damaged their foundations. rushing a car and		the	time of t	he sto	um coin	chided was d	with	the t	ime of	high tide. Most
	dama	ing the	porch a	and a co	ner	of a	four-	room f	rame structure.		Doro	hes, roof	d. shi:	rgles.	TV an	tenna	e. 316	ons. et	c., were damaged n Georgetown and At some places 30
Adams County	4	8:50 AM			0	1	4	0	Wind		to 4	O feet of	beach	was lo	st.	No de	aths o	at inju	At some places 30 ries were reported pter from a fishing
	McKn		. Dama	ge was	estin				miles west of The truck-tractor		pier	the lan	dward	part of	whic	h had	been	vashed	амау.
Montgomery County	6	5:05 AM		, =	0	0	4	0	Wind	South Dakota			None	Repor	ted	}			
									tree and sent it was confined to the	Tennessee									
		airs of t				rs nor	. U	anage	nes contined to the	Halls, Lauderdele County	3 F1e	p.m.	to====	0000000	0	0	4	0	Lightning
Northampton and Monroe counties	11-1				0	10	5	4	Ice storm			e house o				matr	area c	quB <b>e</b> d	scattered damage
	Ithan	1 40 vehic	les and	caused	dama	ahe o	f more	ithan	s involving more \$45,000. In the n inch in thickness.	Eastern 2/3 of State	1				0		0	٥	Snow
	Abou	ut 10 pers unies rece	ons we ived f	re treat rom fall	ed at	Mon In Ea	roe Co	unty G nice-	eneral Hospital for Naden tree fell		mou	nteins, c	beaus	excepti	onall	y haz	rdous	drivi	unts in the
	aga i and	inst a hom cable tel	e, dam	aging to	vo ca	rs in	the p	nocess	. Power, telephone, throughout the			the storm		111g1W	ay Sk	and day.	e acci	dente	were attributed
Fayette County	cour 16	l:30 PM			n	0	4	0	Wind	Texas	15				_				Dract
1 dyorce addity	High	winds ca	used a	house 1	t aile	er to	roll	down a	20-foot embankment	West Texas	1	stained w	nds of	40 to	0 66 mi	les-r	? per-hou	? or White	Duststorm  pped up one of the
	alor	ng Route 1	I nea	Mount	Brad	dock.	Dama	ge was	set at \$6,000.		wor	st dustst ditions w	erms i	r many the Hi	years gn Pl	in V	Vest To	etas. Relling	The most severe Plains, Trans-
Lancaster County	23 Ligh	Evening atning str	uck +	homes	l lon	O Sla	3 dkwate	n Road	Lightning pear Millersville		Ped	os and Ed un one-eig	wards hth mi	Flateau le over	Thare	e vis	abili	ty was Msihil	reduced to less
		and 11 PM.									qua Ser	was repurters of vice Offi	a mile ce at	in Mor	tague reno	as Es Cour	ity	ne Nat	as low as three- ional Weather of 74 miles-per-
†							-			11	hou	ır, the hi	ghest	ever re	corde	ed the	erte du	ring th	ne month of December. 66 miles-per-hour.
See reference no	tes	at end o	of tab	le.					_	166 ~			•			•			-

		CAL	РАТН	Ē		OF SONS		ATED1				CAL	PATH	Ę		. OF		ATED <sup>†</sup>	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
Texas (continued)	Roofs	were bl	own of	f at Co	urte	v Che	vrol e	5919	Montana Avenue,	Vermont (continued	d)  22-				<u> </u>			[	
	in th 1000 8400 from an au 9949 wind	e Basset East Robe block of the 11th tomobile Dyer Str	t area ert E. Dyer story A t eet, a	of El Lee Ro Street. of the railer	Paso, ad ar A] Mill at th	at t d at arge s Bui e Sta	he Zo the H chunk lding rligh as bl	rk Hard ouse of of cor and la Mobil	ware Company, Flowers in the acrete fell down inded on top of the Home Sales, ir by the high	State	23- 24	extreme n Snowfall blowing s Transport	brth, totall now bu	Roads ed most wind hampere	0 1y 8 gener	hazar 0 to 16 ally some	dous.  5 inche not up	0 s. Mu	Snow p to a foot in Snow, wind ch drifting and izzard velocitied. Many busing
Jefferson County		10:50 a- 12:20 p e thundering as es	l		swept	acro	ss Sor	th Jef	Windstorm  ferson County in the area of	Virgin Islands		and socia	l	Repor	l	lled.			
	of Po. Suppl; off a 9- an Hloyd \$15,00 owner was of	rt Arthury at 646 50-by-10 d 10-hund S Trailed 00 damage Lionel bserved were ri	r. On Gulf Gulf BO foo dred b r Park g was J. Ars at the	e of the way in the carpe locks of the carpe locks of the carperte ement. Nation of a harmonic carperte ement.	e pla Port ntry f 29t four d to A pe al We	ces h Arthu shed h Str trai prope ak wi ather	ardes r, who Pam eet in lers o rty a nd gu Servi ffers	t hit was re the sege was refered to 1703 st of 7 lice Office our	ferson County in the area of northern section as the Duckworth roof was ripped heavy in the clard, and at maged. About Rice Farm Road by siles-per-hour ice, Nederland. ty Airport.	Virginia West	Ga A pl	ees to falused a tru p and a si metal buil ate glass velty shop	l and ock can milar ding a window near	also carying a cargo a	used mobi slid of fic p out in	some le ho off a ole b Wind	truck lew de theste	outag overt in Bo wn in . A	High Winds anches and es. High winds In near Fancy etourt County. Roancke and a fruitstand and number of wood
Texas City, Galveston County	30 1 1 A torn	0:30 a- 1:00 a ado dipp	25 ed dow	200 n in Te	o xas (	0 ity	4 ausin	0 g dama	Tornado ge to several	State	31	All Day			0	0	4	0	Snow, Sleet, Freezing Rai
	shops window Jewelr Severa funnel	and bust s were b y and Lo l witnes ing down ion ne man.	nesses roken, an, 33 ses sa Texas	including includ	as Aring Aver	renue the fine. nue. sally	and F cont w saw t this	ourth indow he tom long b	treet. Numerous  if Dave's  nado come  lack cloud-like  dding toward me",  iign came at me",	Washington	fa ha	llity fail lling on t	ures o he lin ile so for o	es. Mo me seco	i mair ost ma ondary wo da	ly du in hi road	e to i	rees a	zing rain was a dents. Scatter nd branches ned open but thern counties
	The to struck tower	rnado re a tower was blown	ported being n away	ly hit constr	the Mucteo	lonsan L. So	to Cho	mical ffold:	id, "A thin funnel ile and making Flant, where it ng around the	West Virginia Martinsburg, Berkeley County	to h down sust disl	ome and bu ed wires a ained by a	sociat ilding nd dam hardw ks blo	roofs, aged av are sto wn into	topp mings ore or the	led a . He Wind stree	ome to avies hester	ees au dama, Aveni	Windstown idespread damag d TV antennas, e in the city w we which had som insburg Airport
25 SW Mederland, Jefferson County	Gilchm 30 1	ist. 1:00 a	Short	Narrow	0 brie	o fly i	as Ui O nam	y and O	y direction, and there it damaged ms. The total \$10,000 at 2 Tornadoes d about 25 miles e.	Spencer, Roane County	Floor part 4 fe the ramp	2 p.m. dwaters, w s of the S et. The 1 State on I aging wate	hich w tate, loods ecembers of and so	ere qui covered resulte r 21-22 Spring me res	o te ge some d fro Creek	onera stra mai ne au	3 in the sinch comobilater also evaces	rainfa le Was lso con ated	Floods therm and centra er to a depth c ill over much of swept away by t ered city stree from their homes
Útah Timpanogos Divide	A Ti tr	:03 pm tornado mpanogos aveled f apped of it move	dividurom No f tree	e summ ortheas s up to	t to	The flu South oot in	mnel West a diam	the cloud nd eter.	Tornado	Devon, Mingo County	A 10 lowe afte the	r Beech Cr r dark. swollen st creek, as	eek ne sheri ream a	ar its iff's de ipparent	confl parts ly bl	iter uence ment linde	with spokess d by 1	denta the To man sa ights	Floods Lly stepped into ug River shortly id he stepped in from a house acc small one-lane of
	fi ov ob re kn	eld it p er 1000 served t ad out t ocked ov	icked feet a he tor he sto er by	up snow bove the mado whe rage ga the win	and e sunt ile ige.	carri rface. on the One o	ed it Two ir wa of the	to men y to m was		Wisconsin Eau Claire County Jackson County	l Wit	am am nd and hai	l dama	ge in H	0 0 Lxton	0 0 and	О 4 А1та С	0	Funnel cloud ale Wind, hail area.
Wasatch front counties	16 and 17	them by	, no l	njuries	ĺ	unk	ained 5		Heavy snow	Wood County Portage County	1 Set 2 3	am Teral farm E Arpin o	2 build 12 S	200 ings de Marsh 2 <b>0</b> 0	stroy field	O ed or . Mo	3 damag ved NE	O ed on O	Tornado Fred Oehler far Tornado
	ta. Two fin on sno	cord snow th along ches in ins and o deaths rst was by over- ow and the used by he cidents was thapsed o	the W 24 hour 12 to were caused exert ie secondinding were re	asatch rs accu 24 inch attribu by a h ion of ond a f ng snow eported	front lulates in ted t eart shove atal . No	as o ed in the o the attac ling traff merou	ver 3 the valle snow k bro the he ic ac s non roofs	noun- ys. The ught eavy		Waupaca, Shawano Counties	Rui Tor Sev Mar West ext	ta farm in 9:45 a mado movin erely dam ion and Pa e in a mo	ng NE in Town  30 ng NE-ing ing ing ing ing ing ing ing ing ing	danaged of Hul  200 ward to ouildinger, Monte which	build nor o uched ss. i rs. Lo	ding th of down Addit ohren s lift over	and up Steve 5 on He ional tz and ted up	os Poi conke damage her 3 by the	trees on Richarnt. Tornado fara 4 NW Iola occurred in the small children funnel and Luckily all
Vermont State	of	rong gus 6 to 12 tions at	inche	es in e≱	sca	0 ttered	3 I mino h wit	0 r dama h near	Wind, snow ge. Snowfall -blizzard con-	Counties	abo tra bey Dari	arge torne ut 20 barn ck from Me ond to nee age to fat	do mo s and dira r Cou m buil	ring NE 5 home: n SW Or ty Trum dings	wari and staga k C i	at and damage of the Control of the	oproxi- ged ado ounty utileas	iltion to Bla tern Si	Tornado 50 mph destroyed il property alone ik Creek and nawano County. Damage to 345 mated at \$100,0
State	ne we: mai hai	inches. ar-blizz	Much ard co Wind ities	drifth ndition broke w were ca	y 6 h ng an	id blo times	wing   in n	s but [] from st	Snow, wind locally to 15 to trong winds, with here temperatures ichools closed and transportation	State  Dodge County	3 Sma far An Ash	3:45 p 11 tornado m at Sugar other bard	5 movin Islan to th funnel	50 g KZ-wa d alona e nort! aloft	C rd da C.T. east repor	O LTAPEC "O" susta	lone potwer	0 oarn or con Lebs	Wind Stered damage. Tornado Braunschweig's mon and Ashippu lamage at 2-1/2 g Washington

					_													
	CAL	РАТН	Ę	NO. PERS			ATED†				CAL	РАТН	Ŧ	NO. PER		ESTIM. DAM		
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
Wisconsin (continue Northern Counties	yery heavy s thunder caus counties. A	ed scatt shland r nearly	tered w	anle ind ( d 20	damag 5 in	e in L ches o	winds ake Su wet	Snow, wind and intense perior shore snow with a water anded at work or in	* Miles instead a Includes crop C Crop damage, t Storm damages 1 Less than 2 \$50 to \$50 3 \$500 to \$5	dam are \$50	age.	in ca	tegori	.es v	aryi	ng fr	om 1	to 9 as follows:
Entire State  Southern Counties		l across	s south	e wi	0 se so	5 me roo	0 ofs to	Wind  Snow  collapse. Record lities from heart	3 \$500 to \$5 4 \$5,000 to 5 \$50,000 to 6 \$500,000 t 7 \$5,000,00 8 \$50,000,00	\$50, \$50 0 \$5 1 to 0 to	000 0,000 ,000,000 \$50,000	,000 00,000						
Wyoming	attacks and		mishaps					actes 110m (real)	Note: This publi due to the diffic it is not all-inc ried in the June SUBSCRIPTION PRIC domestic, \$2.00 i able to the Super ence regarding su Documents, Govern	ulti lusi and E: orei inte	es inherve, Del December 15 cents gn. Characteristics indent of	rent i layed r issi s per ecks a f Doci shoul	n coll data a les of copy; ind mor iments,	this year ney o	on of orrespondent	of this ection licat subscr s sho ance Super	s types will it in the contract of the contrac	ons \$1.50 on made pay- correspond- dent of

DELAYED DATA

	LOCAL	F PATH	₽ATH S		OF RSONS	DAM	MGE	CHARACTER	·		LOCAL	F PATH	PATH (3		OF SONS		ATED!	CHARACTER
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
Oregon Sheaville 13 W, Malheur County	June 1967 21 Afternoon				0	0	0	Tornado and Hail	Texas  Near Levelland, Hockley County	June 8	1970 7:30 p- 8:22 p	?	?	0	1	?	?	Tornado
•	Sport Fisheri	es and	Wildli	fe wo	rking	at Up	per Co	of the Bureau of w Creek Lake, he funnel was		Mr.	and Mrs. J	ames 8	now and	the	r gr	andson	Parr	sh Ray were Levelland, when
	first sighted ward. The lo	l 1 mil	south	west e fun	of thinel s	e lake wung i	and m	oved northeast- directions and t 30 seconds.		abou a to	t 7:30 p.m rnado. Th	., the	ir pick	-up t	ruck ied	was 1: nto a	field	p off the road barely missing
	Considerable raised from t	sage h	rush wa und. I	s car	ried visi	aloft ble fo	pefore r abou	the tornado t 20 minutes		road	-		İ		1			back down on th
	the cloud bas	ie, Co	nsidera	ble h	rail c	overed	the g	ring back into round during nch in diameter		want	to go are	und a	ymore"	while	the	were	in the	t saying,"I don' field. Mrs. S The pick-up tr
	and larger.	lage.	lany 2	0.00	1		3,41	nen in dianetti		lost	a hub cap g, it was	in th	e round g so ha	rd.	The S	ows s	aid the	y didn't see an toward Levella
Florida Apalachicola	January 197	d		0	0	,				the		an fai	nn one a	nd or				nd a horse barn th of the Levell
(vicinity) Franklin County	Seventy sm	11 0	yster	boa te	d. de	d cks	0 at nur	Damaging Winds erous oyster	NW Plainview,	17	Evening	Short	Narrow	٥	0	0	0	Tornado
	noujses iro	m Eas umage	d Poin d. Two	t to	abou	it 13	lmiles	west of Apal- ed. Estimate of	Hale County	A sm Plai dama	nview, the	c touc n reti	hed gro eated i	und t	rief he p	y in o	open co	untry northeast
Texas Donley, Gray,	Apr 1 1970 18 1:00 a-	65	16/g	17	42	6	2	Tormado	Virginia	June	1970							
Armstrong, Swisher and Briscoe Countie	3:15 a								Accomac County	21	1 p.m.			0	0	4	0	W1nd
		of dea	ths cau	sed b	y the			nging to 17 the ch struck near		High a ga	winds cay	ed in	the roc	f of	a ho	se in	Saxis ck ins	and demolished de the garage and another
Harris 2	May 1970			]						was	moved off the grou	its ba	se. Tw	o tre	es w	s twi	sted o	f several feet
Hawaii Maili Valley, Oahu	19 about 2:20 p,	7	7	0	0	2	0	Dust Devil	Accomac County	21	1 p.m.			0	0	4	0	Lightning
	Unusual	ly wel:	l-develo	ped d	dust o	evil	wept a	eaward blowing		Ligh	tning dama	ged a	greenho	use o	onta	ning	zalea	
	sized f	Lishing	boat up	bide	down.	Weat	her su	g pickup truck- nny with	West Virginia	June	1970							
Kilauea Pt., Kauai	23 about 6:45 p.	?	?	0	0	0		Waterspout	Near Franklin, Pendleton County	A TW	4:25 p.m A pilot re e were no	portec	? a smal s of gr	0 1 tor cund	0 mado dama	0 25 mi e.	O Les sou	Tornado theast of Elkir
	Waterspo Kilauea	ut obs Pt. 15	served m	pving	west	ward a	bout 1	0 miles from	Pickens, Randolph County	Hail	e weather	all si observ	er at F	i.cker	is. 2	mile	s south	Hailstorm d by the cooper west of Elkins
Oregon outhwestern Wasco County	May 1970 11 2:15 pm	Short	Narrow	0	0	0	0	Tornado		whic	h occurred age. At P	durin	ig a thu	nders	torm	assoc	ated v	rith a cold from tween 2:45 and
	A small tornac	emblo	TVAPE SE	i i + +	nough	سرماء اما	****		Illinois	Ju1	y 1970							
	Highway US-26 funnel was wat a dark ragged	chea r	base.	Phev	105 8	way as	it lo	wered from	Whiteside & Lee Cos.	2	4p			0	0	<b>o</b> 5		High wind
	for two minute brush land bef No damage was	ore wi	thdrawi							High ship	wind and in Sterli	modera ng-Roc	te to h k Fal <b>l</b> s	suff	rain, ered	major	damage	es and auto des
Texas	May 1970	Pepore	ьа.						Alexander County		3:24p		m					Hail
Poteet, Atascosa County	30 8:30 p			0	0	?	0	Lightning	Lawrence County	3/4"	hail repo	rted a	rc inebe	5				Ha <u>1</u> 1
	Four homes in	Poteer	were s	struck	by:	lightn	ng, ar	nd at least one,		1 3/	↓" hail re	ported	at Law	rence	ville			
	the Manriquez antenna and k	home,	the bol	it app ily de	aren og ly:	tly tr ing ne	veled r the	down the television television set.	Alexander County	8	6:30a	ž	20	0	1	of		Tornado
	The electrical set. All ele	force trical	e burst 1 applia duse was	out ; ences rui	indo in ti	vs and ne hou None	shatte se were of the	ered the television burned out and Manriquez family		port	ion of a c	east c ornfie	amaging ld. On	e wom	an cu	t on ]	egs ar	autos, and sma d back. WBO,Cai
	was injured.								Sangamon County	19	4:44p	een n	and mhot	0	0 had	3		Funnel cld, win m 4:44p to 4:49
California	June 1970 28 2:15 p.m.	2	200	0	0	4		Tornado		and		to clo	uds wit	hout	touch	ing gr	ound.	Mind damage to
ridley 5 WSW	Small tornado	skipp rd tre	ed alon	g ove	rap	ath of	about	3 miles. Several and several barns	Champaign County	19	abt 6:15p		20	0	٥	0	1	Tornado
Oregon	June 1970									Cham	paign. Ro	tary n	otion e	vider	t in	corn :	ield.	ut 2 miles NW Viewers termed h debris to col
Sheaville 13 WSW, Malheur County	21 4:50p- 5:15p	6						Funnel Aloft and Hail	Mostly north & south	1	12:30p-8p							Funnel clouds
	Members of a their farm ab	dut 2 :	miles e	ast o	Low	er Cow	Creek	Lake. The		1:10	b; 28 SSE	MLI ər	d 40 SS	E MLI	befo	re 1:	5p; 5	p; 13 NNE ORD a NE ORD and 11 E 3:40p; 24 NNE
	funnel aloft for about 6 m	noved iles d	east-no: uring a	rthea 25-m	twar inute	d abov perio	the t	ow Creek Valley tail remained to the cloud base	North to	at 5	:45p and 2							
	about 3 miles sighted by a	west	of the o	obser ounte	vers.	The	funnel size h	aloft was also	Northern									Funnel clouds of for 5 minutes
-n	damage was re	ported	in this	s rem	ote g	razing	area.			befo	re returni	ng to	cloud;	funne	1 cl	uds a]	150 2 5	W Galesburg at p at 8:16p.
Tennessee Bedford County	June 1970 18 6:30p.			0	0	?	0	Mind.	Pennsylvania Allegheny County	July 31	1970 6:00 PM	1/2	200			3		Tornado
	Some propert	dama	ge in so	uther	n por	tion :	f cour	ity was reported	Arregieny County	)1		mile	yards			د 		TOTHAGO

		·			· · · ·						,	,—— <u>—</u>	,			DE	LAYE	DATA	AND CORRECTIONS
	Ì	Y.	PATH	Ę		OF	ESTIM DAM	ATED†				¥	PATH	ī		OF SONS	ESTIM	ATED!	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P.		KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PA	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	CHARACTER OF STORM
Pennsylvania (cont		3'			)			]		Iowa (continued)	l	 		' 		 	L— 	<u>-</u> 	
Texas	port drag tree tore	several to the of a hounged to the	ees a use. e side roods	nd cause A tree of of the behind	four hous the p	er \$7 feet e. T roper	00 dam in dia nere w	age to neter as a c	endale and ripped the roof and was twisted and leared-out path of itness saw the	Dubuque, Dubuque County	st th ar be pr 19	ruck a ren lifted touched touc	exces ew shed to ed gro ing i repo Data	opping about und ag nto so rted a	ive cen tree ain uthw	ter tor in e est wind	in so leve xtrem Wisco	uthwe 1 acr e nor nsin.	Tornado s. The tornado st Dubuque, oss the city thwest Illinois This tornado the September
Galveston County	l l	1	l	1	1				inity of FM 2004		- 6	ornado p	ach I	engun	ın ı	owa.			
	whe wer Par the 2:4 Fow	re one mob turned o t, was one small, bl p.m. Th ler's mobi	ile ho wer of se ack fu e wors	ome was Jim Fow everal p innel wh st damag	compler, ler, erson ich p e ini	owner as in assed licte on d	destr of Wo Hitcho throu d by t isplay	oyed a mderla ock wh gh the he tor for a	nd three others nd Mobile Home o actually spotted area around mado was to one of sale. Fowler said	Oklahoma September 1970 Near Kemp, Bryan County	Ser 1	otember :	970						Funnel aloft
									across the bottom t mobile home 15 ground. Parts of	September 1970									
	the a m	trailer, tle and on Fowler's p	valued e-half ark wh	from the	the to	y Fow mailer the fa	ler, w park. mily o	ere fo Anot f Cano	and as far away as her mobile home elaria Hinojosa,	Near Miami, Ottawa County		? s body for h was due					0 e. Ma	0 dical	Lightning examiner said
	and com sev Hit	lowned by ling to res eral trees choock Chi	Frank t on i were ef of	Edwards ts side uproote Police,	was Twas ed by Arci	lifte to car the s tie Ph	d off ports torm. illips	the gr were t A fer , was	two small babies, but apparently om Fowler's park, ound before lown down and ce belonging to ripped up by the ted at \$11,000.		26-2 Wind Sout buil	EMBER 19 8 1100BST 8 in exces hwest caus dings, ind winds cau	s of 6	age to	roof schoo	topa 1. bu	on at	and sw least not co	mpleted.
New York		ust 1970									floo	ding in a t one hous	few ba	sements	thro	ugh '	the se	er sv	tem. At
Wayne County	30	Evening				1	5		Wind			COI	י זסס		ידר	\ <b>N.</b> T		1	·
	ľ	j	struc	k the P	almyr	j .		k ares	s of southwestern			COI	וחו	701	10	N	5		
	are was oth par of in lim par pan and	as of west unroafed or busines t of brick roof blown community has and oth t south of ts injured	ern an with r s block wall off c as streer det Newar as sus	d centresulting k of se blown i hurch. eets, poris. He k. One tained	al Ne g dan veral n and Esti arks leavy mobi bile injur	w Yor age t stor most mated and 1 wind le ho ness.	k. In o cont es was of wi 100 t awns 1 damage me blo overtu	Palmy ents f parti- ndows rees b ittered local wm aparned, additi	as that raked wide rafurniture store rom rains. An- ally unroofed, smashed. Sections roken or toppled d with fallen ised in trailer or and two occu- heavily damaged onal trailer homes maged.	Colorado  Wind storm reporte  Missouri Jewett to Zion, Madison  St. Joseph, Buchanan County	Apr:	1 1970	ry 2 s	ıld be	11 z	nile: orth	s sou		Fredericktown
North Carolina	Alig	UST 1970		İ	1					South half of		_							[
Sampson County	31	5 pm	ļ		,	0	0	0	Electrical	State	23	Change	Arnov	to Ai	rnole	1.			
Texas		tning stru UST 1970	]	killed	man	on tr	actor	near F	arkersburg.	North Carolina Cherokee County	-	1 1970 Change	date i	to 9:3(	а.г	1. A	pril:	24.	
Plainview, Hale County	20	Night			0	,	?	0	Lightning	Tennessee	} ^~~	il 1970						!	
hate county	hom	e. Bratch htning str	er rep uck hi	prtedly	was	talki	ng on	the te	lightning at his lephone when rical connections	State	Wind	l				ad of	miles	per h	pur. No other
2 E Anderson, Grimes County	23	the teleph 3:45 p 1 W. Wehme		7, was	1 kille	0 ed whe	0 n stru	0 ck by	Lightning Lightning in a	Florida  Ft. Lauderdale (vicinity)  Big Pine Key	1	1970 Correct							and funnel aloft
Quemado,	He	ture at hi apparently ding the r 5:30 p	had d	ismount	ed ar	nt was	stand	s east ing be	of Anderson. side his horse Tornado,	(20 NE EYW)  Iowa	MAY	1970				, wi	l uai	page .	and runner alore
Maverick County			ped do	m and	hit t		J. Sm	ith gr rs" da	funnel aloft ocery store at mage. Smith saw off the market	Des Moines, Polk County 5W Redfield, Dallas County	13	8:08 g 8:50 g	•				}		
	rea nig gro	tion of the r. A garant the trear th	e stor ge was e Val	destro Verde I	he ho yed a ndust	use a lso. rial	djoini Anoth	ng the er fun but it	nel was sighted at did not touch	Oregon Albany near, Linn County	MAY	e correc 1970 2:45p	tion	for pr	evic	usly	publ	ished	data. Funnel aloft
10 S Fort Worth, Tarrant County	dam abo	dged a thi ut 10 mile dked down.	rd mob s sout	alle hom h of Fo	e at rt Wo	home a tra	iler p A num	ark on ber of	Tornado orage house, and U. S. Highway 81, trees were veled from south		air pro	port operaper time of	ator at	Albany	time , Ore	of gon	11:45a should	as probe co	ovided by the rrected to the
	to:	forth.								10 W Tulia	1	Correct	time	from	7:10	AM	to 7:	10 PI	
lowa Dyersville, Dubuque County	9 \$5	TEMBER 19 4:40 p 500,000 1 th about	l oss. one-	fourth	mil	e 1d	ng in	city	Tornado ted. Narrow , tornado then of Dyersville.	Randall County	31 31	At 2:20 at 3:25 At 3:25	PM sh PM. PM sh	ould r	ead	16 S	Amaı	illo,	Randall County
See reference no	To Da	rnado or ata as a	igina winds	lly re	port	ed i	n Sep	tembe	r 1970 Storm	- ma trong		County a	1 4:2	o Pil.		,			-

																			CORRECTIONS
		CAL	РАТН	Ŧ		OF SONS	EST IM	ATED!				CAL	PATH	Ŧ		OF SONS		MATED!	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
Minnesota	JUNE	1970	ļ		Ī	Ī		!		Arizona (continued)		}	1	1	1		1		1
Southwest and South Central	15- 16								torm Column and t. paragraph.		Mogo of ti		in G haw M	ila Co ountai	unty ns i	and n Ya	a lo: yapa i	ng the i Coun	
Washington 15 miles SW Bellingham (Whatcom county)	29	E 1970 2:24PM t reported	sight	ing fum	nel a	loft	0	0	Funnel cloud.		Chri exte thos Scot dama	stopher nsive da e tribut tsdale a ged by f	creek mage aries rea, loodw	Tont to roa Rai where aters.	o Cr ds, nfal many F1	eek brid 1 wa hom	and a ges a s als es we dama	Sycamo ind pi so hea ere se ge in	re Creek caused operty along vy in the verely other parts of
South Dakota Davison, Hanson, Hutchinson, McCook, Turner, Clay, Lincoln,	14	v 1970 About 12:00 - 4:00 p			1	2	7	7	Tornedo, funnel aloft, hail and wind		wher floo the Rese	e the Ha ded resi Little C rvation,	ssaya denti olora Agr	mpa Ri al are do Riv icultu	ver as. er f ral	over Flo rom dama	flowe oding Winsl ge wa	ed its galsc low to us rep	as Wickenburg, banks and occurred along the Navajo orted to range
Minnehaha, Yankton and Union Counties	Corr A to pick	rnado 6 m	lles no cotall:	rth of ng wrea	Bere:	ford it,	on In	tersta	ined word added. te 29 picked up a ring the driver and		corr fiel most Stat	als. Lo d crops. ly to th e, but r	ss of By e mou eport	cattl the 6t ntains ed dam	e wa n, p in age	s li reci the on t	ght, pitat south	hs wa tion w neasto date w	tanks, and s damage to as limited rn part of the as light s two days.
Florida	Aug	ust 17,	1970				Ì				I	[	1			[	i - •	1	
Titusville, Orange	Co	unty, sh	uld	e Tit	usvi	11e,	Brev	ard C	punty.										
Arizona Central and south- central sections of State			70		23	0	6	4	Rain	* Miles instead † Storm damages 1 Less than 2 \$50 to \$50 3 \$500 to \$5	are \$50 0	placed	in ca	tegori	.es v	ary:	ing f	rom 1	to 9 as follows:
	belo air Sout mois spre the	w Baja Cover the hwest on ture entading the hext two	Blifo Gulf the ered e Sta days	rnia, of Ca aftern the St te and . On	init lifo oon ate inc the	iate rnia of t on t reas morn	d a f towa he ls he 2n ing i ing o	low ord the t. To d, over the depth of the	th during 4th a	4 \$5,000 to 5 \$50,000 to 6 \$500,000 t 7 \$5,000,000 8 \$50,000,00 9 \$500,000,0	\$50, \$50 o \$5 to 0 to	000 0,000 ,000,000 \$50,000, \$500,00	000 0,000						
	of t west cipi and day.	he atmos ward to tation a northwar This h	phere near long d to eavy	in th Sasabe and ea Tucson rainfa	e Tu . T st o and	eson his f th the ause	area produ e Bab Avra d ran	and ced h oquiv Vall	ower levels south-south- eavy pre- ari Mountains ey on that hoff that	Note: This publi due to the diffic it is not all-inc ried in the June	ulti lusi	es inher ve. Del	ent i ayed	n coll data a	ecti nd c	on o	of the	is typ us wil	be of data,
}	vash floo deve brec	ed out r ded home loped ov ipitatio	oads s. O er mu h. wi	and se n the ch of th hea	vera 5th, Ariz vies	l br str ona t am	idges ong s causi ounts	near outhe ng he alon	Tucson and rly winds avv orographic	SUBSCRIPTION PRIC domestic, \$2.00 for able to the Super ence regarding sub Documents, Govern	orei: inte: bscr	gn. Che ndent of iptions	cks a Docu shoul	nd mon ments. d be s	ey o Re ent	rdei mitt to	s she ance Super	ould b and c rinter	e made pay- correspond- dent of

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